

Name: \_\_\_\_\_

**at1110paper\_practice\_test (v30)**

1. Expand the following expression into standard form.

$$(3x - 2)(7x + 8)$$

2. Solve the equation.

$$(2x + 3)(7x - 8) = 0$$

3. Expand the following expression into standard form.

$$(3x - 4)(3x + 4)$$

4. Expand the following expression into standard form.

$$(3x + 7)^2$$

5. Factor the expression.

$$x^2 - 3x - 28$$

6. Factor the expression.

$$25x^2 - 9$$

7. Solve the equation with factoring by grouping.

$$15x^2 + 6x - 20x - 8 = 0$$

8. Solve the equation.

$$7x^2 - 25x - 61 = 4x^2 - 5x + 2$$